



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re the application of: Joseph A. Bianco *et al.*

Serial No.: 08/183,594

Filed: January 19, 1994

For: PLAYER POSITIONING AND DISTANCE  
FINDING SYSTEM

Attorney Docket No.: JVB-001

Group Art Unit:

Examiner:

Honorable Commissioner  
of Patents and Trademarks  
Washington, D.C. 20231

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**April 15, 1994**

**Date of Signature and of Mail Deposit**

By:

*Curtis A. Vock*  
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APR 22 PM 12:54  
GROUP 240

**INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97, and § 1.98, Applicants herewith make of record the following publications which may be material during the prosecution of the above-referenced patent application.

GROUP 240

APR 22 PM 12:50 1994

Re: U.S.S.N. 08/183,594

U.S. Patent No. 3,805,411 (Andrews, Jr.)  
U.S. Patent No. 4,266,214 (Peters, Jr.)  
U.S. Patent No. 4,297,701 (Henriques)  
U.S. Patent No. 4,321,678 (Krogmann)  
U.S. Patent No. 4,367,526 (McGeary *et al.*)  
U.S. Patent No. 4,480,310 (Alvarez)  
U.S. Patent No. 4,547,781 (Gelhorn *et al.*)  
U.S. Patent No. 4,665,404 (Christy *et al.*)  
U.S. Patent No. 4,698,781 (Cockerell, Jr.)  
U.S. Patent No. 4,703,444 (Storms, Jr. *et al.*)  
U.S. Patent No. 4,731,613 (Endo *et al.*)  
U.S. Patent No. 4,815,020 (Cormier)  
U.S. Patent No. 4,879,658 (Takashima *et al.*)  
U.S. Patent No. 4,887,281 (Swanson)  
U.S. Patent No. 4,910,677 (Remedio *et al.*)  
U.S. Patent No. 4,922,444 (Baba)  
U.S. Patent No. 5,056,106 (Wang *et al.*)  
U.S. Patent No. 5,214,679 (Metcalf)  
U.S. Patent No. 5,245,537 (Barber)

Julpe, "You're never out of range of the master - Sahara unveils computerized 'caddy'", Sahara Country Club Sports, LAS VEGAS SUN (undated).

Carey, "Sextants in Space Can Change the World" WALL STREET JOURNAL (1993).

Re: U.S.S.N. 08/183,594

POPULAR MECHANICS, one page (December 1993).

Webster, "Device hastens flood aid", THE ARIZONA REPUBLIC, pp. B4-B5 (September 7, 1993).

Chien, (Illustration by Dimare) "You Are Here", POPULAR MECHANICS, pp. 50-52 (November 1993).

Robinson, Abstract "Using Bus Level IRIG Time Code Translators To Time Tag Data And Synchronize Multiple Processing Stations" (undated).

Freeman, "Physical Engineering", POPULAR MECHANICS, pp. 33-35 (December 1993).

Cannon et al., "Testing a Lightweight GPS/GIS Terminal for Sub-Meter DGPS Positioning", ION GPS93, Salt Lake City (September 22-24, 1993).

Ellowitz, "The Global Positioning System", MICROWAVE JOURNAL, pp. 24-33 (April 1992).

Ardö *et al.*, "On the accuracy of the global positioning system--A test using a hand-held receiver", 13 INT. J. REMOTE SENSING, 3229-3233 (1992).

Gibbons, "The Global Positioning System as a Complementary Tool for Remote Sensing and other Applications", 58 PHOTOGRAMMETRIC ENG. & REMOTE SENSING, 1255-1257 (August 1992).

Re: U.S.S.N. 08/183,594

Soler *et al.*, "Accurate Determination of Cartesian Coordinates at Geodetic Stations Using the Global Positioning System", 19 GEOPHYS. RES. LETTERS, 533-536 (March 20, 1992).

Horiai, "Accuracy of time comparison derived from reception of LORAN-C and Global Positioning System time signals", 27 RADIO SCI., 545-551 (September-October 1992).

Wassef *et al.*, "An Investigation into the Integrity of Surveying With the Global Positioning System (GPS)", 14 J. GEODYNAMICS, 51-58 (1991).

Publication "Sensor Markets and Technologies Update: Riegl USA Senses Pulse of Laser Rangefinder Market", VITAL INFORMATION PUBLICATIONS (Monday, November 15, 1993).

Gething, "Radio Direction Finding and Superresolution", Peter Peregrinus Ltd. on behalf of the INSTITUTION OF ELECTRICAL ENGINEERS, Chapters 1-3, 5, and page 1 of Chapter 7 (undated).

Motorola GeoResearch, Inc. product information sheet "GeoLink Mapping System<sup>®</sup> LIVE MAP<sup>™</sup>" (undated).

Motorola brochure "LGT 1000<sup>™</sup> TERMINAL Lightweight GPS/GIS Terminal" (March, 1993).

Re: U.S.S.N. 08/183,594

Motorola brochure "SixGun™ 6000 Series DGPS Receivers and DGPS Systems" (1993).

Datum, Inc. data information sheet "bc637VME/bc357VXI GPS Satellite Receiver" (1991).

Datum, Inc. data information sheet "bc627AT GPS Satellite Receiver" (1991).

Datum, Inc. data information sheet "TYMSERVE™ 2000 LAN Time Server" (1993).

RangeMaster™ Golf Enterprises product information sheet "A Yardage Based Course Management System" (undated).

RangeMaster™ Golf Enterprises product information sheet (undated).

This statement is *not* to be interpreted as a representation that the cited publications are material, that Applicants have conducted an exhaustive search, or that no other relevant information exists. Nor shall the citation of any publication herein be construed *per se* as a representation that such publication is prior art. Moreover, the Applicants understand the Examiner will make an independent evaluation of the cited publications.

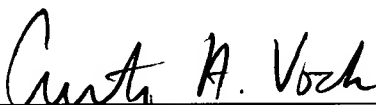
Copies of the foregoing publications and a reproduction of PTO Form 1449 accompany this statement.

Re: U.S.S.N. 08/183,594

No costs are believed due in connection with the filing of this Information Disclosure Statement.

If there are any questions, please call John V. Bianco at one of the telephone numbers indicated below.

Respectfully submitted,

  
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Date: April 15, 1994